



US Army Corps  
of Engineers®  
Engineer Research and  
Development Center

# CADD/GIS Technology Center for Facilities, Infrastructure, and Environment

## Background

ERDC's CADD/GIS Technology Center for Facilities, Infrastructure, and Environment coordinates the use of computer-aided design and drafting (CADD) and geographic information system (GIS) activities for facilities, infrastructure, and environment within DoD and with other participating governmental agencies and the private sector. The activities include setting standards, promoting system integration, supporting centralized acquisition, and providing assistance for the installation, training, operation, and maintenance of CADD/GIS and facilities management (FM) systems. They also include directing specific application development, promoting communications, developing and promoting standards, furnishing technical advice, interfacing with professional organizations and industry, evaluating technological developments, and recommending necessary CADD/GIS and FM policy to ensure that maximum benefits are received from these technologies.

Solicitation Number	Title	Location	Media	Issue Date	Closing Date
<b>Construction</b>					
DACA0X-00-R-0001 Am:2 07/04/2001	Solicitation With 2 Amendments	Mississippi		1/2/2001	12/31/2001 2:00 PM
DACA0X-00-R-0005 Am:1 01/03/2001	Web-only Solicitation	Mississippi		1/2/2001	12/31/2001 2:00 PM
DACA0X-00-R-0006	Paper-only Solicitation	Mississippi		1/2/2001	12/31/2001 2:00 PM
DACA0X-01-T-0000 Am:1 7/10/2001	Test - TBD Dates	Mississippi		4/3/2001	TBD
DACA0X-01-R-0005 Am:2 7/13/2001	Solicitation with TBD dates	Mississippi			TBD
DACA0X-00-R-0009	Solicitation Under Evaluation	Mississippi			Under Evaluation
DACA0X-00-R-0007	Postponed Solicitation	Mississippi			Postponed
DACA0X-00-R-0008	Canceled Solicitation	Mississippi			Canceled
<b>Service and Supply</b>					
DACA0X-00-R-0002	Solicitation Without Amendments	Mississippi		1/2/2001	12/31/2001 2:00 PM
<b>Simplified Acquisition</b>					

## Expertise

The Center offers a full range of technical and professional services for CADD, GIS, and FM systems, including development and implementation support for data format and content standards, centralized procurement of products and applications, provision of a clearinghouse for information exchange, and furnishing technical assistance to managers and users of these systems.

The Center staff consists of more than 20 professionals with advanced degrees and extensive experience in the use of CADD and GIS technology to solve complex problems related to facility management, environment compliance and cleanup, natural and cultural resources, planning, civil works functions, and all engineering design disciplines. The staff members are available to assist sites in implementing its Spatial Data Standards for Facilities, Infrastructure, and Environment; Facility Management Standards for Facilities, Infrastructure, and Environment; and Architectural/Engineering/Construction (A/E/C) CADD Standard. The Center is also available to demonstrate other tools such as the CADD Details and Electronic Bid Solicitation packages and to discuss any issues or problems users might have.

The Center has received two Vice President's Hammer Awards for Excellence in Reinvention of Government.

## Supporting Technology Products

- Electronic Bid Solicitation
- Spatial Data Standards for Facilities, Infrastructure, and Environment (SDSFIE) (NCITS 353)
- Facility Management Standards for Facilities, Infrastructure, and Environment (FMSFIE)
- Architectural/Engineering/Construction (A/E/C) CADD Standards

- Survey Engineering Monumentation Management System (SEMMS)
- Soil Erosion Model Guide
- CADD/GIS Project Registry and Clearinghouse
- Library of CADD Designs
- CADD Details Library
- Object Standards
- *CADD/GIS Insights* (newsletter)
- Interior Design Resources Web Site
- Chief of Engineers Design and Environmental Awards Web Site
- Technology Transfer
- Web Design/Hosting

#### **Benefits**

The projects developed by the CADD/GIS Technology Center benefit many installation facility management and civil works operations and maintenance activities by providing:

- Improved business practices taking advantage of CADD/GIS technology.
- Cost avoidance and reduced design time for projects through application of universally adopted standards.
- Cost-effective integration of CADD-based maps and design drawings with GIS-based technology.
- Electronic processes to enable paperless transactions and compliance with initiatives such as One-Door-to-the Corps, Army Single Face to Industry, FedBizOpps, and DODBizOpps.

#### **Point of Contact**

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